

NANOG Antibody (N-term)

Catalog_no :	AB1429
Applications :	WB
Reactivity :	H
Category :	抗原抗体
Size :	100 μ L/50 μ L
Immunogen :	HUMAN:15-49
Specificity :	This NANOG antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 15-49 amino acids from the N-terminal region of human NANOG.
Dilution :	WB,1:1000;WB,1:1000;IF,1:10~50;IHC-P,1:10~50;IF,1:10~50;
Purification :	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Other_name :	Homeobox protein NANOG, Homeobox transcription factor Nanog, hNanog, NANOG
Isotype :	Rabbit Ig
Background :	NANOG is a transcription regulator involved in inner cell mass and embryonic stem (ES) cell proliferation and self-renewal. It imposes pluripotency on ES cells and prevents their differentiation towards extraembryonic endoderm and trophectoderm lineages. This protein blocks bone morphogenetic protein-induced mesoderm differentiation of ES cells by physically interacting with SMAD1 and interfering with the recruitment of coactivators to the active SMAD transcriptional complexes. NANOG acts as a transcriptional activator or repressor. It binds optimally to the DNA consensus sequence 5'-[CG][GA][CG]C[GC]ATTAN[GC]-3'. When overexpressed, this protein promotes cells to enter into S phase and proliferation.
reference :	Kochupurakkal,B.S., Biochem. Biophys. Res. Commun. 365 (4), 846-850 (2008) Freberg,C.T., Mol. Biol. Cell 18 (5), 1543-1553 (2007)